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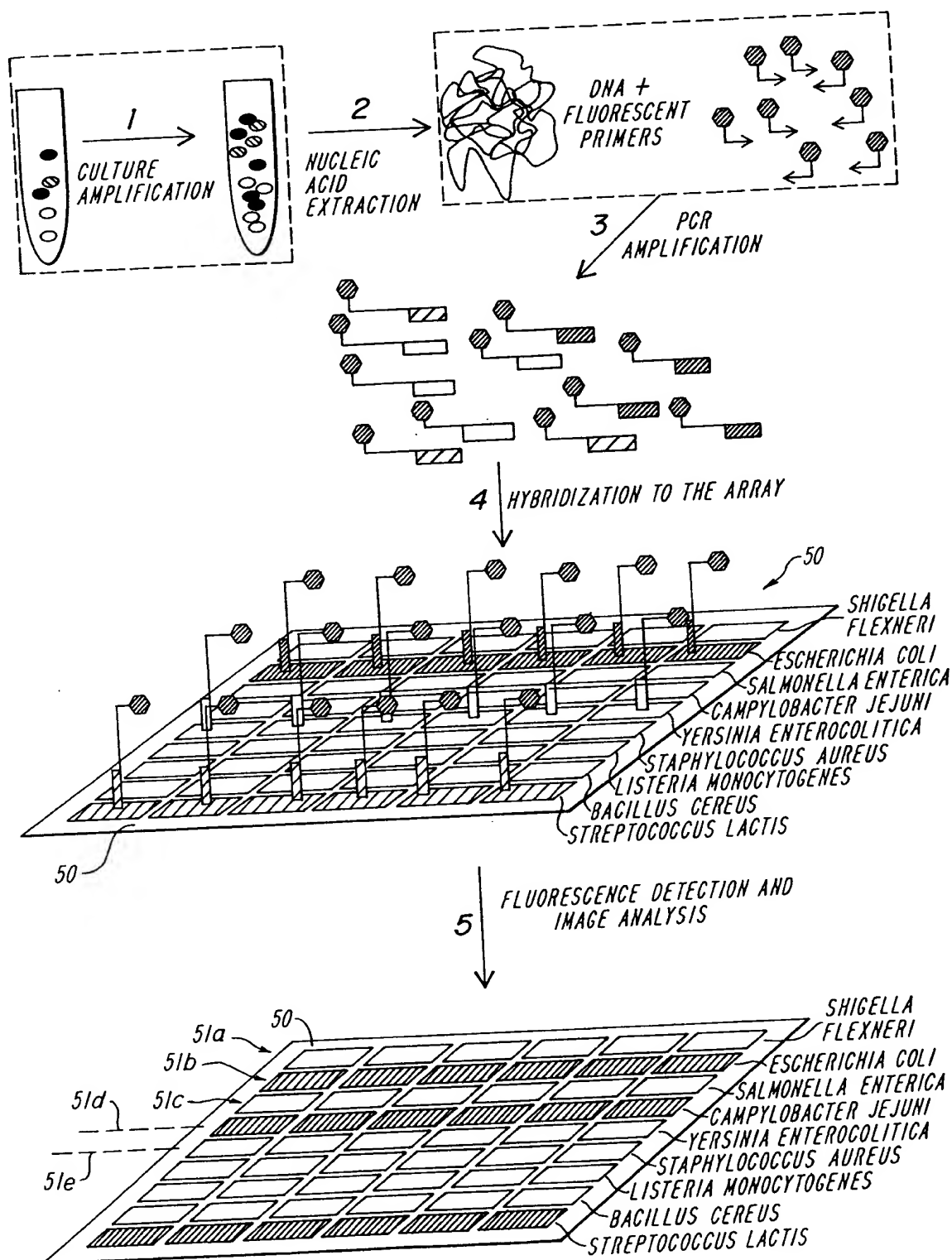


FIG. 1

APPROVED	O.G. FIG.	
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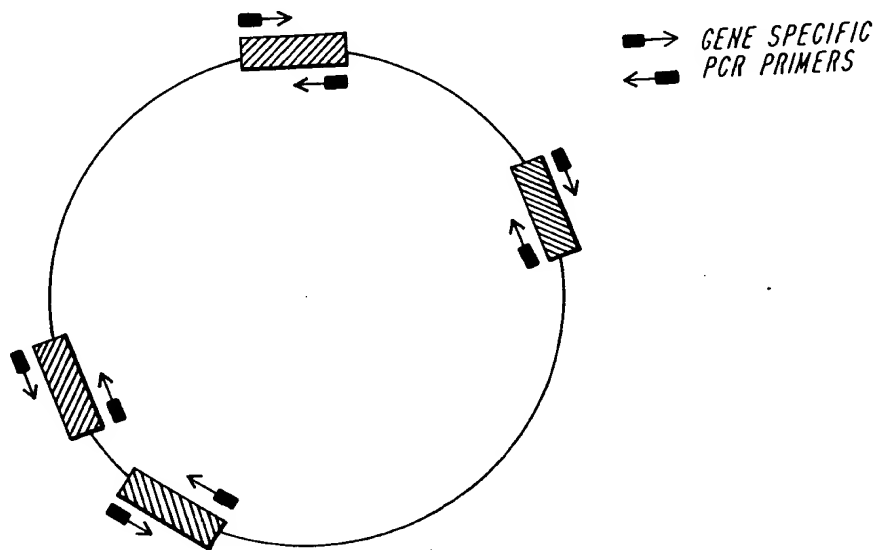


FIG. 2A

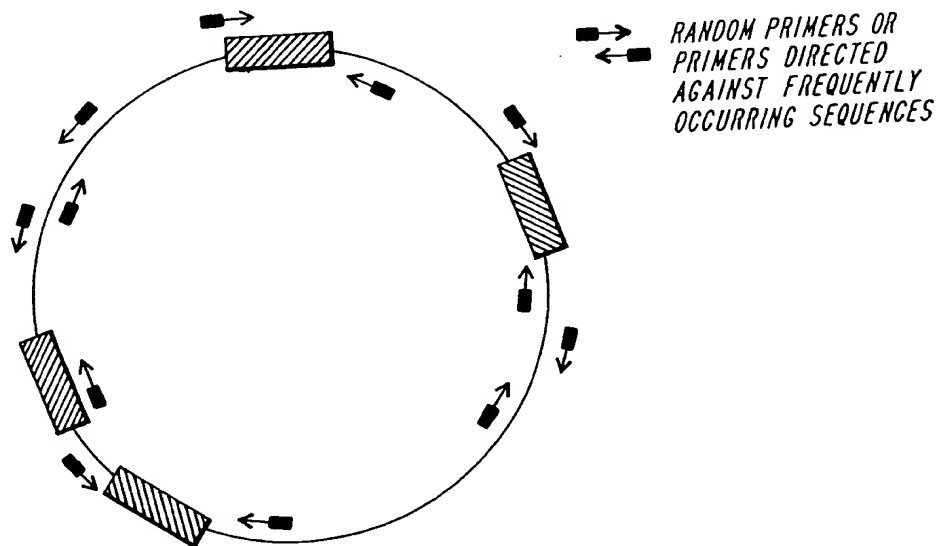


FIG. 2B

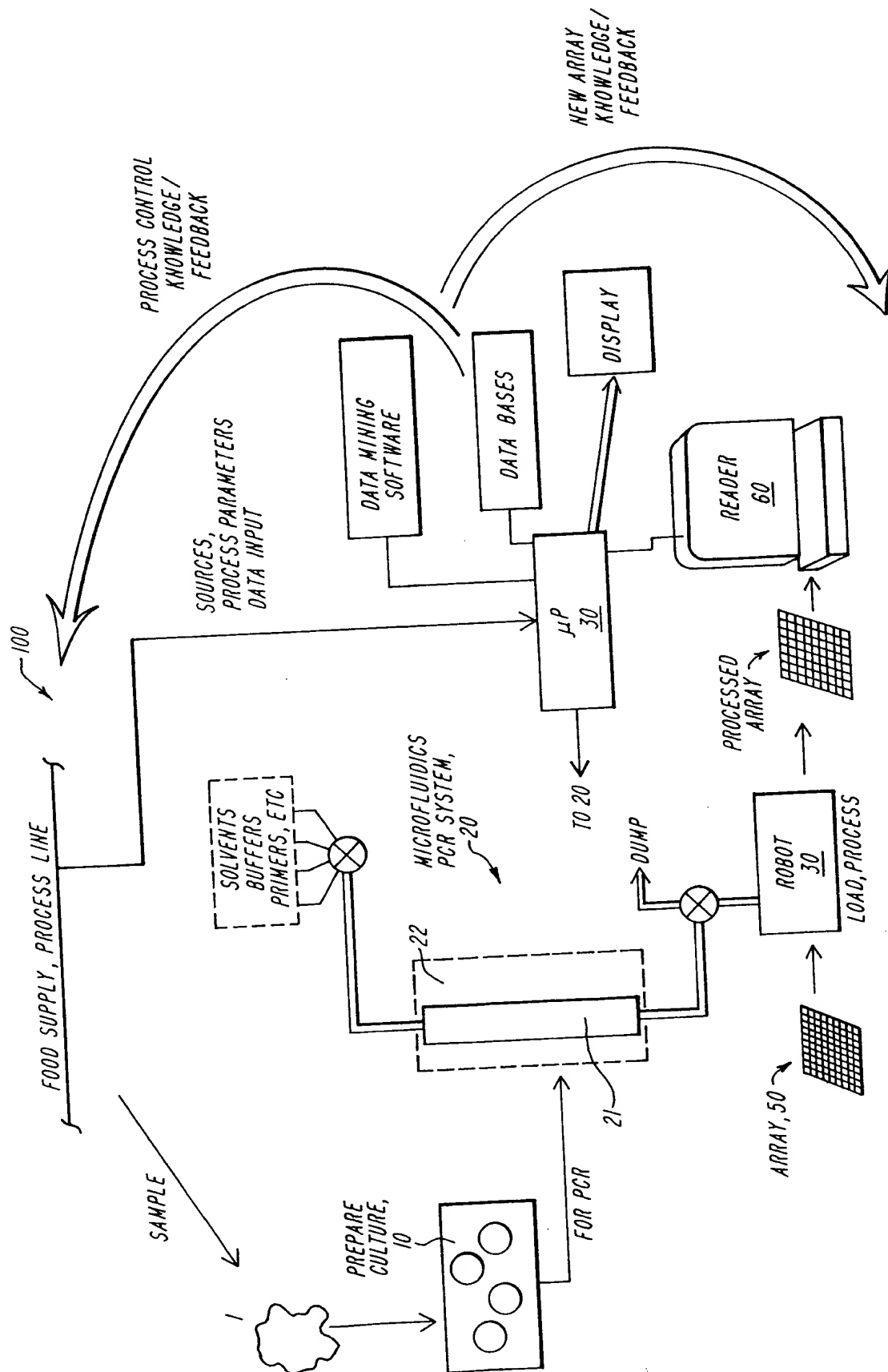


FIG. 3

Gene target table for model array

	A-B	C-D	E-F	G-H	I-J	K-L	M-N	O-P	Q-R	S-T	U-V	W-X
1 Bacillus/Listeria	Bacillus Hemolysin BL	Bacillus Enterotoxin BL	Bacillus dacF	Bacillus spoIIIA	Bacillus sigE	Bacillus sigE	Bacillus Enterotoxin A (hblB)	Bacillus spoOA	Bacillus spoIIAA	Listeria ipa-p60	Listeria ltaA	Listeria mpl
2 Controls	Blank	Blank	Control gfp	Control gfp 1:10	Control gfp 1:100	Control gfp 1:1000			Control gfp	Control gfp		
3 Campylobacter/Lis Teria	Campy pgA	Campy cipA	Campy lig3	Campy flaB	Campy ciaE	Campy folP	Campy pgD	Campy pgIF	Campy pgIB	Listeria hlyA	Listeria hlyA	Listeria inlA
4 E.coli/Listeria	E.coli asptRNA	E.coli 23sRNA	E.coli lacZ	E.coli thrRNA	E.coli hlyD	E.coli gdh	E.coli rpoS	E.coli uidA	E.coli alr	Listeria prfA	Listeria plcB	Listeria plcA
5 Yersinia/O157	Yersinia yopD	Yersinia yopB	Yersinia yopH	Yersinia yopE	Yersinia lcrV	Yersinia virF	Yersinia yopN	Yersinia yopP	Yersinia yopM	O157:H7 ehxA	O157:H7 hlyA	O157:H7 toxB
6 Staphylococcus aureus/E. coli O157:H7	S. aureus entG	S. aureus sarA	S. aureus entA	S. aureus entD	S. aureus nuclease	S. aureus set1A	S. aureus agrB	S. aureus entI	S. aureus tsst-1	O157:H7 espP	O157:H7 eaeA	O157:H7 efpC
7 Shigella/E. coli O157:H7	Shigella fur	Control gfp	Shigella icsB	Shigella stxA	Shigella ipaC	Shigella vacB	Control gfp	Shigella ipaB	Shigella virR	Shigella sod	Control gfp	Shigella virF
8 Salmonella/E. coli O157:H7	Salmonella sopE	Salmonella pagC	Salmonella invJ	Salmonella spiA	Salmonella prgK	Salmonella traJ	Salmonella traK	Salmonella invH	Salmonella traB	O157:H7 Rof2	O157:H7 stx2	O157:H7 escT

FIG. 4

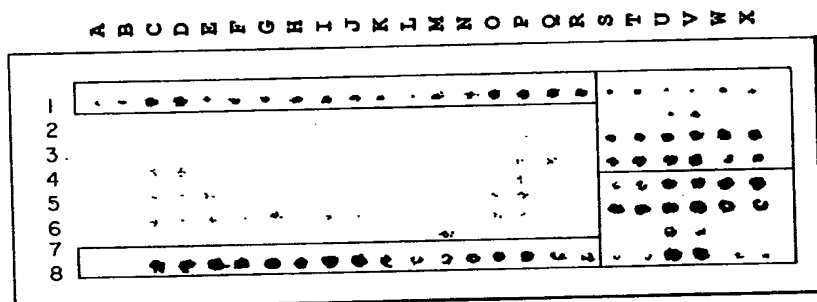
APPROVED	O.G. FIG.	
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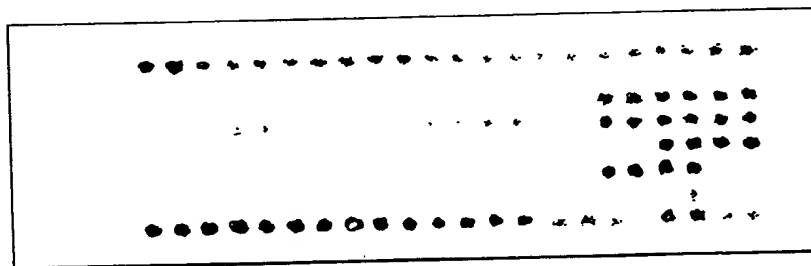
FIG. 4A

1A-1R = *Bacillus cereus*
 2A-2Z = controls
 3A-3R = *Campylobacter jejuni*
 4A-4R = *E. coli*
 5A-5R = *Yersinia enterocolitica*
 6A-6R = *Staphylococcus aureus*
 7A-B, 7E-L, 7O-T, 7W-X = *Shigella dysenteriae*
 8A-8R = *Salmonella enterica*

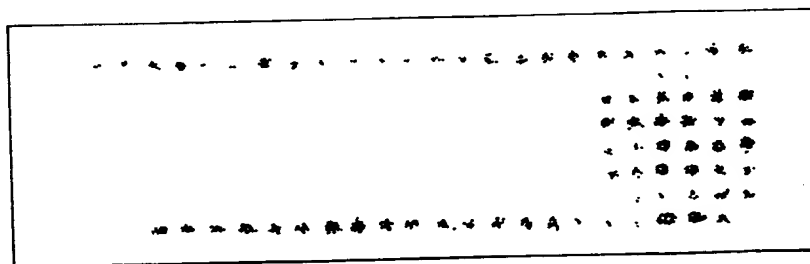
1S-1X = *Listeria monocytogenes*
 2S-2X = controls (UV are positive controls)
 3S-3X = *Listeria monocytogenes*
 4S-4X = *Listeria monocytogenes*
 5S-5X = *E. coli* O157:H7
 6S-6X = *E. coli* O157:H7
 7C-D, 7M-N, 7U-V = controls (UV are + controls)
 8S-8X = *E. coli* O157:H7



1000 cells



100 cells



10 cells